GDAAC Notes for
MODIS Technical Team Meeting (8/20/98)

WEEKLY HIGHLIGHTS:
- ECS Drop 4P1 acceptance testing underway
- Practice installation of Drop 4PL completed with procedure enhancements identified to streamline system installation and checkout; second installation using redlined procedures in progress
- DAAC-SDST status meetings resumed with minutes distributed to DAAC and SDST
- Patch to PGE09 processed; patch acceptance pending verification of input data and results

WEEKLY PLAN:
- Continue acceptance testing on 4P1
- Drop 4PL practice checkout to commence 8/20 and continue through early next week
- Formal 4PL drop no earlier than 8/26/98

WORK IN PROGRESS AND FUTURE:
- As L1B file spec is updated and baselined (9/15?), coordination among SCFs, SDST and DAAC imperative to successful testing and implementation of science software
- PGEs 10 and 16 on hold. Production Rule information needed from SDST to complete integration of these PGEs. PGE16 requires an additional ESDT for integration. PGE 17 and 19 integrated with GDAAC specified production rules. Verification of successful integration needed from SDST.
- L1B Data volume increase (DAAC impact assessment to be provided by 8/28)
- MODIS-DAAC Science Agreement distributed to SDST and STMs for comment 6/98
  - Comments needed by 8/30/98

ECS-SYSTEM   STATUS: YELLOW
Problem: System installation, checkout and test procedures are maturing; documentation is being brought up to date. (Yellow).
- Drop 4P1 in Test mode (TS2), Drop 4 in SSIT mode (TS1), Drop 4PL in TS3.

MAPI / SDST TK   SSIT STATUS: YELLOW
- Lien established for Error List, work-off by 7/31/98. Receipt of error list pending.

OCEAN_LIB   SSIT STATUS: YELLOW
Problem: DAAC cannot promote PGE to operations without error list documentation, lien pending; resolution schedule pending SDST communication with algorithm developers.(Yellow)
- Delivered 4/15/98; Inspection complete; Build complete.

Production readiness

Work days for SSIT	Best Case	Nominal Case	Actual
Inspection	1	3	3 (n=11)
Integration I	2	5	4 (n=20)
Integration II	3	8-15	14 (n=11)
Patch	1-4	3-8	3 (n=17)
Error Testing	4	8	4 (n=2)
Chain Testing	8	15	8 (n=2)
Total	23	54	36 (was 42)

Best Case: Little or no problems with ECS or PGE
Nominal Case: Minor problems encountered and resolved; no major blunders
Actual: Averages to date

<u>Phases of SSI&T:</u>

Inspection: Delivered Algorithm Package is inspected for contents and completeness. PGE is inspected for documentation, formats, file structures, and standards compliance.

Integration-I: PGE is built and run from the command line. Generated data product(s) are verified with SDST supplied comparison file(s). (**DAACbuild** for a library)

Integration-II: PGE is registered into ECS, including population of PDPS database. Test data is inserted into the Data Server for staging into production. PGE execution is planned and scheduled through ECS PDPS utilizing Autosys scheduler. Generated product(s) inserted into Data Server. Generated data product is retrieved from Data Server for verification.

PGE Name	priority*	Delivered	Integrated	Chained	Duty Cycle	Ops Readiness	§	Launch Readiness	Notes
PGE01 (2.1)	1	4/15/98	5/8/98	5/20/98	100%		Y	expected	Lien, SDST to provide error list by 7/31/98; Error list for MOD01 complete, MOD03 pending
PGE02 (2.0)	2	1/29/98	3/18/98	5/20/98	100%		G	expected	
PGE03	3	2/18/98	4/27/98	5/26/98	100%		Y	expected	Lien, SDST to provide error list by 7/31/98; error list patch in progress
PGE04	4	3/20/98	5/28/98				G	expected	Lien, SDST to provide error list by 8/31/98
PGE05	5	3/16/98	on hold				R	expected	Drop 4P1 needed in SSIT mode to complete integration; Lien, SDST to provide error list by 8/31/98
PGE11 (2.2)	6	1/7/98	6/8/98				G	expected	
PGE17	7	4/17/98	7/21/98				Y	expected	Lien pending, SDST to provide error list for launch readiness; Prod rules PVL needed from SDST to verify integration
PGE19	8	4/17/98	7/22/98				Y	expected	Lien pending, SDST to provide error list for launch readiness; Prod rules PVL needed from SDST to verify integration
PGE09	9	5/7/98	in progress				Y	expected	Lien pending, SDST to provide error list for launch readiness
PGE12 (V2.1)	10	7/17/98					G	contingent	Inspection and Integration I complete; ECS to provide Land Tiling 10/98; Lien, SDST to provide error list by 9/30/98
PGE13 (V2.1)	11	7/20/98					G	contingent	Inspection complete, Integration I complete; ECS to provide Land Tiling 10/98; Lien, SDST to provide error list by 9/30/98
PGE14 (V2.1)	13	7/22/98					G	contingent	Inspection complete, Integration I complete; ECS to provide Land Tiling 10/98; Lien, SDST to provide error list by 10/31/98
PGE06	14	9/11/98						expected	Compiler upgrade complete; version 1.0 was successfully integrated ·
PGE20	15								
PGE07 (V2.1)	16	6/8/98	7/23/98				G	expected	Lien, SDST to provide error list by 8/31/98
PGE10	16	5/22/98	on hold				R		Prod rules PVL needed from SDST to complete integration; Lien pending, SDST to provide error list for launch readiness
PGE49	18								
PGE50	19								
PGE53	21								
PGE54	22								
PGE69	23								
PGE56	24								
PGE16	27	6/22/98	on hold				R		Prod rules PVL needed from SDST to complete integration; additional ESDT must be specified to complete integration; Lien pending, SDST to provide error list for launch readiness
PGE15 (V2.1)	28·	7/27/98						contingent	Inspection complete, Integration I complete; ECS to provide Land Tiling 10/98; Lien, SDST to provide error list by 10/31/98
PGE08 (V2.1)	29	6/10/98	7/23/98				G	expected	Lien, SDST to provide error list by 8/31/98
PGE51									
PGE57									

*prioritization based upon SDST schedule; some PGEs have not been prioritized

			contingent	available if known high risk problems are addressed		
			expected	no known high risk obstacles for launch readiness		
			demonstrated	demonstrated through Ops Readiness Exercises (OREs)		

§ PGE Status Codes:

Complete	PGE is ready to process data at launch in validation mode or ops mode	
Green	No problems or Category 1 fixes only; no high-risk liens on PGE	
Yellow	Problems in test; Category 2 or 3 fix pending; lien pending or expired	
Red	SSIT has stopped; PGE will not run in its current form; fix required before testing can continue	